JVC

SERVICE MANUAL

SPEAKER SYSTEM

SX-WD5

Area suffix
E ---------- Continental Europe

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SPECIFICATION

Type		2-way bass-reflex type Magnetically-shielded type
Speakers	Mid and low range	10.5 cm wooden cone
	Tweeter	2.0 cm wooden dome
Power handling capacity		100 W
Impedance		6 Ω
Crossover frequency		3 500 Hz
Frequency range		55 Hz to 50 000 Hz
Sound pressure level		82 dB/W·m
Dimensions (W × H × D)		143 mm × 257 mm × 243 mm
Mass		3.5 kg

Design and specifications subject to change without notice.

SECTION 1
PRECAUTION

1.1 Safety Precautions

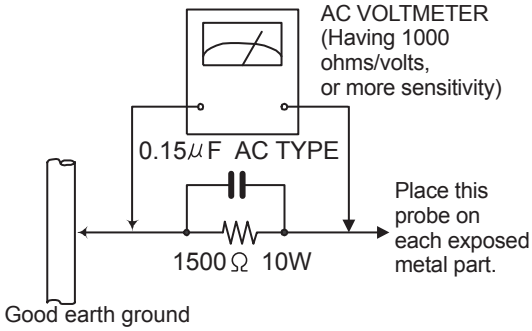
(1) This design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Services should be performed by qualified personnel only.

(2) Alterations of the design or circuitry of the product should not be made. Any design alterations of the product should not be made. Any design alterations or additions will void the manufacturers warranty and will further relieve the manufacture of responsibility for personal injury or property damage resulting therefrom.

(3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the Parts List of Service Manual. Electrical components having such features are identified by shading on the schematics and by (⚠) on the Parts List in the Service Manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement parts shown in the Parts List of Service Manual may create shock, fire, or other hazards.

(4) The leads in the products are routed and dressed with ties, clamps, tubings, barriers and the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after reassembling.

(5) Leakage shock hazard testing
After reassembling the product, always perform an isolation check on the exposed metal parts of the product (antenna terminals, knobs, metal cabinet, screw heads, headphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.Do not use a line isolation transformer during this check.
- Plug the AC line cord directly into the AC outlet. Using a "Leakage Current Tester", measure the leakage current from each exposed metal parts of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground. Any leakage current must not exceed 0.5mA AC (r.m.s.).
- Alternate check method
Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having, 1,000Ω per volt or more sensitivity in the following manner. Connect a 1,500Ω 10W resistor paralleled by a 0.15μF AC-type capacitor between an exposed metal part and a known good earth ground.
Measure the AC voltage across the resistor with the AC voltmeter.
Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Voltage measured any must not exceed 0.75 V AC (r.m.s.). This corresponds to 0.5 mA AC (r.m.s.).



1.2 Warning

(1) This equipment has been designed and manufactured to meet international safety standards.
(2) It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
(3) Repairs must be made in accordance with the relevant safety standards.
(4) It is essential that safety critical components are replaced by approved parts.
(5) If mains voltage selector is provided, check setting for local voltage.

1.3 Caution

Burrs formed during molding may be left over on some parts of the chassis.
Therefore, pay attention to such burrs in the case of preforming repair of this system.

1.4 Critical parts for safety

In regard with component parts appearing on the silk-screen printed side (parts side) of the PWB diagrams, the parts that are printed over with black such as the resistor (▬), diode (▮) and ICP (●) or identified by the " ⚠ " mark nearby are critical for safety. When replacing them, be sure to use the parts of the same type and rating as specified by the manufacturer.
(This regulation dose not Except the J and C version)

SECTION 2
SPECIFIC SERVICE INSTRUCTIONS

This service manual does not describe SPECIFIC SERVICE INSTRUCTIONS.

SECTION 3
DISASSEMBLY

3.1 Removing the speaker unit (see fig.1, 2)

(1) Remove the four screws **A** and four screws **B** attaching the each speaker unit.
(2) Remove the speaker cord connected each speaker.

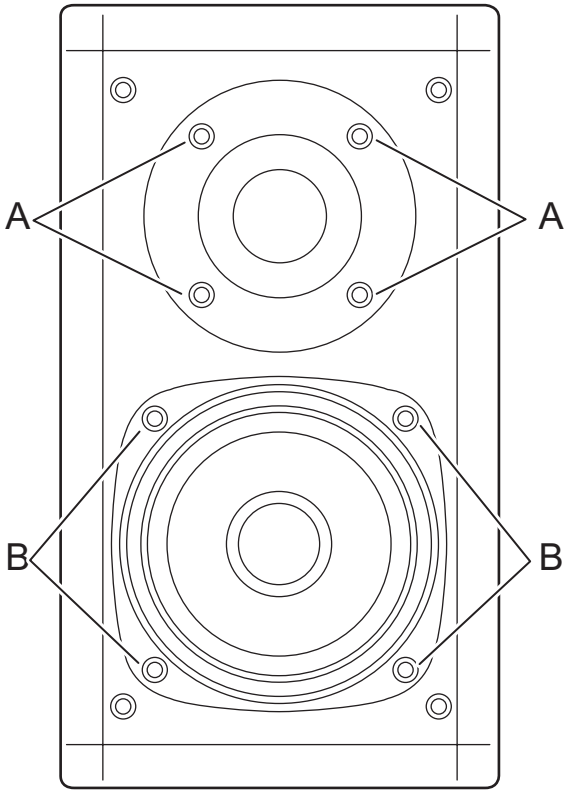


Fig.1

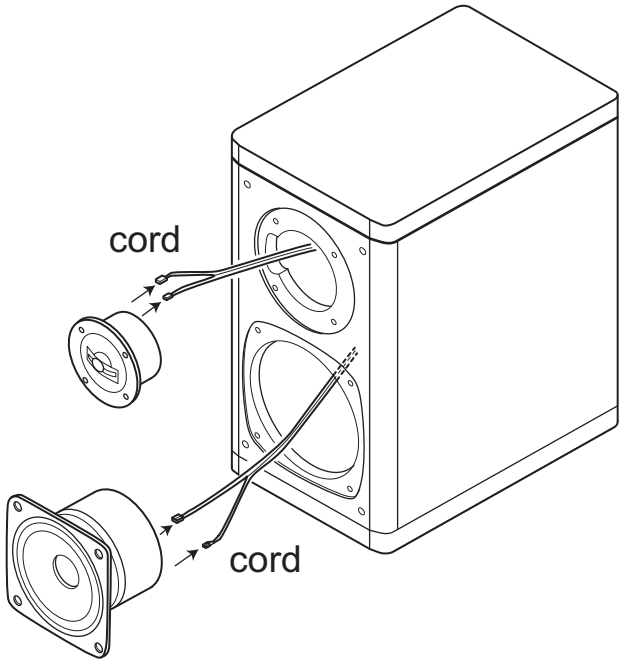


Fig.2

3.2 Removing the speaker terminal (see fig.3, 4)

(1) Remove the four screws **C** attaching the speaker terminal.
(2) Disconnect the cord attaching the speaker terminal.

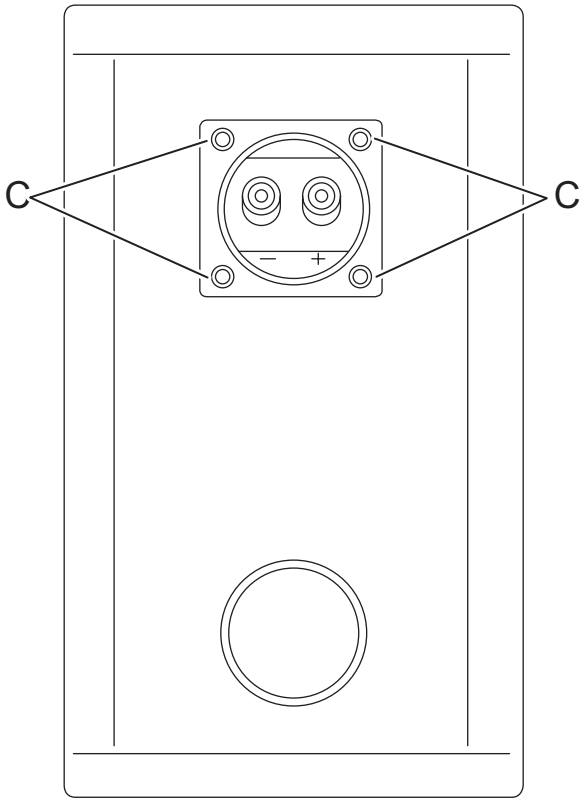


Fig.3

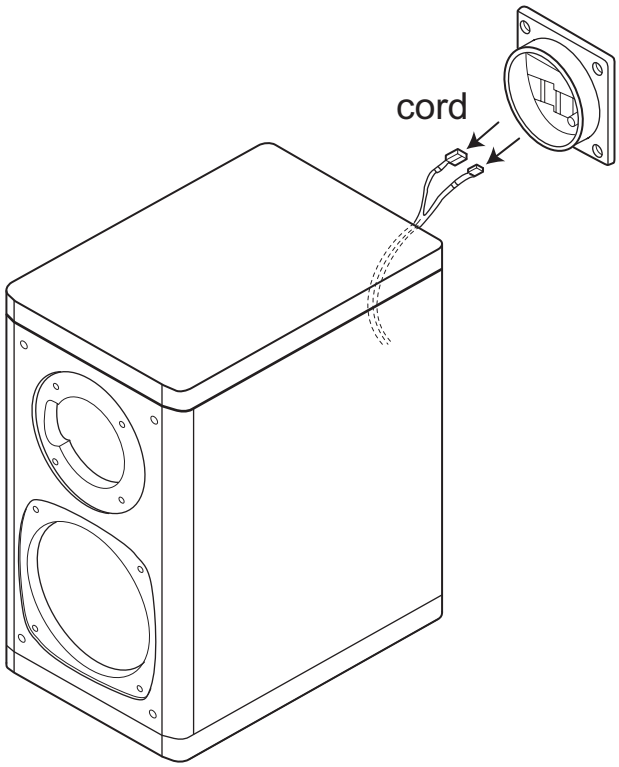


Fig.4

SECTION 4
ADJUSTMENT

This service manual does not describe ADJUSTMENT.

SECTION 5
TROUBLESHOOTING

This service manual does not describe TROUBLESHOOTING.

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VPT

PARTS LIST

[SX-WD5]

* All printed circuit boards and its assemblies are not available as service parts.

Area suffix

E ---------- Continental Europe

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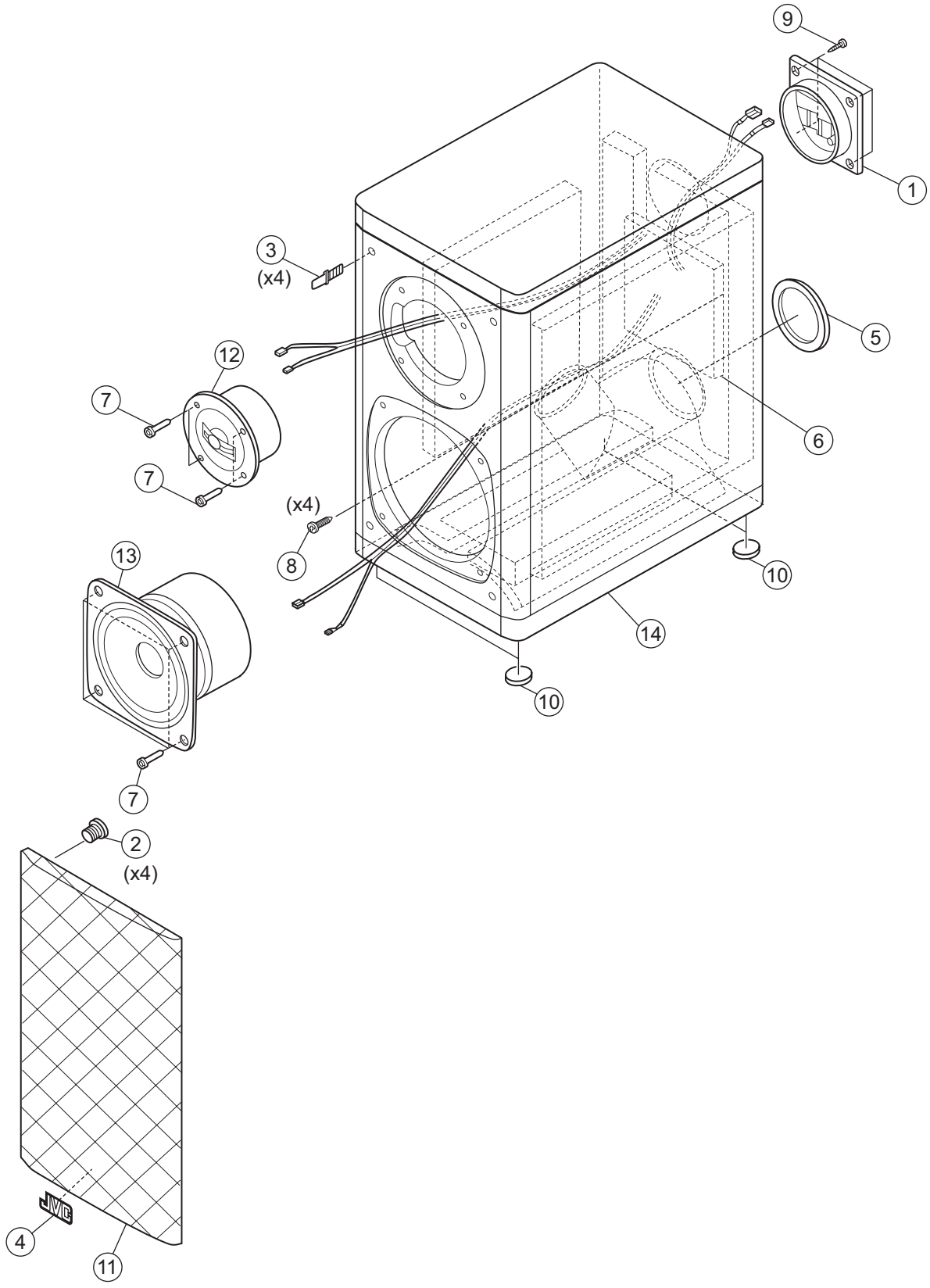
Exploded view of general assembly and parts list

Block No. M 1 M M



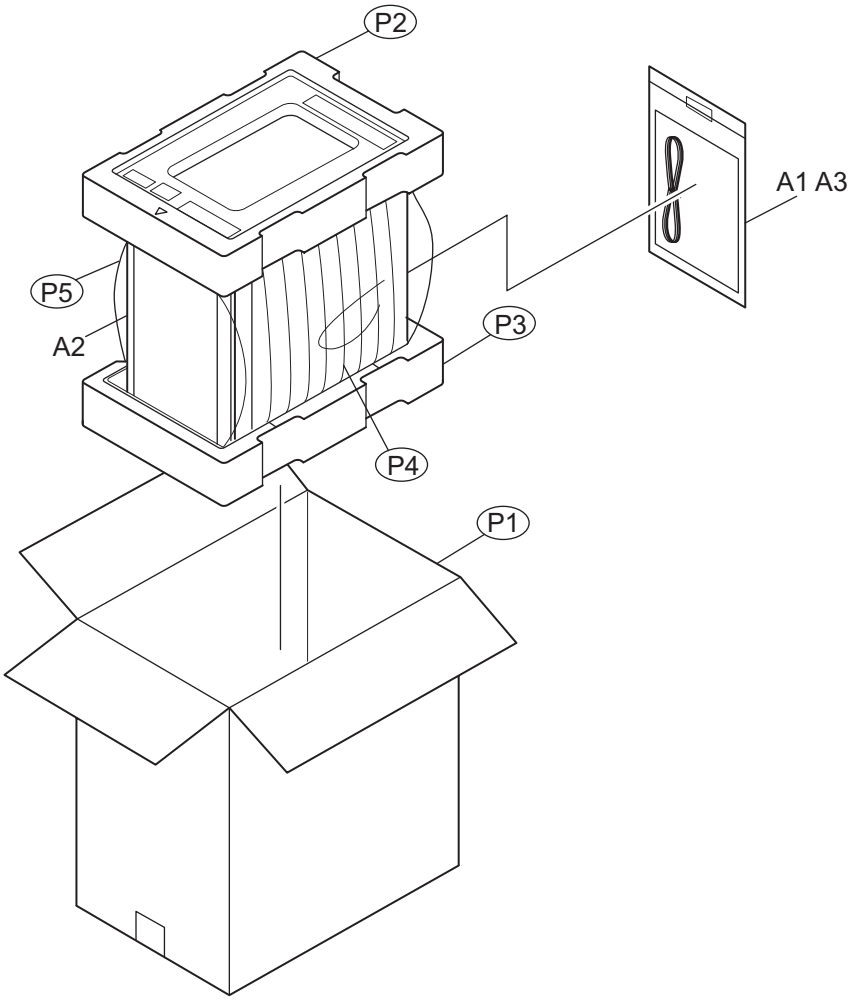
General Assembly

Block No. [M][1][M][M]

⚠	Symbol No.	Part No.	Part Name	Description	Local
	1	1030004611	TERMINAL		
	2	5600008001	HOLDER	(x4)	
	3	5800023731	LATCH	(x4)	
	4	E75939-222	JVC MARK		
	5	6500025301	FELT RING		
	6	6700016101	BOARD ASSY		
	7	7008142004	TAPPING SCREW	(x8)	
	8	7001541606	TAPPING SCREW	(x4)	
	9	7001841606	TAPPING SCREW	(x4)	
	10	9000005351	FOOT(FRONT/SURROUND)	(x4)	
	11	9910008001	NET ASSY		
	12	KK030003-01	CONE SPEAKER		
	13	KK100006-01	CONE SPEAKER		
	14	AA100005-01	CABINATE ASSY		

Packing materials and accessories parts list

Block No. M 3 M M



Packing and Accessories

Block No. [M][3][M][M]

⚠	Symbol No.	Part No.	Part Name	Description	Local
	A 1	LVT1236-002A	USER MANUAL	ENG GER FRE DUT SPA ITA SWE DAN FIN CHI(TAIWAN)	
	A 2	AB100054-02	SPK WITH BOX		
	A 3	6200034721	CORD SET		
	P 1	LV35231-028A	PACKING CASE		
	P 2	8000056001	TOP CUSHION		
	P 3	8000056011	BOTTOM CUSHION		
	P 4	8500048071	MIRROR SHEET		
	P 5	8500055701	POLY BAG		